

What is claimed is:

1. A tape transport apparatus comprising a tape running means for running a tape, a drive means for driving said tape running means, a control means for controlling an output to be supplied to said drive means depending on a running mode, and a load detection means for detecting a load applied to the tape or the drive means, said control means reducing an output supplied to the drive means by detecting a load applied to the tape or the drive means during tape running in a fast-forward running mode or a rewinding running mode.

2. A tape transport apparatus comprising reels for running a tape, a drive motor for rotatably driving said reels, a controller for controlling an output voltage supplied to said drive motor in compliance with a running mode, and a detector for detecting the rotation number of the drive motor or the reels, said controller reducing an output voltage supplied to the drive motor when the rotation number detected by the detector is lower than a predetermined rotation number in a fast-forward running mode or a rewinding running mode.

3. A tape transport apparatus comprising reels for running a tape, a drive motor for rotatably driving said reels, a controller for stepwise switching an output voltage supplied to the drive motor so as to decelerate or accelerate the rotation of the reels in a fast-forward running mode or a rewinding running mode, and a detector for detecting the rotation number of the drive motor, said controller reducing an output voltage supplied to the drive motor to a lower voltage by one-step when the rotation number of the drive motor is lower than a predetermined rotation number preset in

compliance with the output voltage.

4. A tape transport apparatus as claimed in Claim 3, wherein the controller controls a load flag to be turned ON when an output voltage is switched to a high voltage and judges whether a load is applied during the load flag being ON.

5. A tape transport apparatus as claimed in Claim 4, wherein the controller stops said judgment of a load for a predetermined period of time immediately after a load flag is turned ON.